

WHAT IS CLAIMED IS:

1. A security device comprising:

an impact sensing unit for sensing an impact to output  
5 an impact sensing signal;

a sound pressure sensing unit for sensing a sound pressure  
to output a sound pressure sensing signal;

an abnormal degree determination unit for determining  
an abnormal degree on the basis of a level of the impact sensing  
10 signal and a level of the sound pressure sensing signal to output  
a determination result; and

an alerting process unit for performing a predetermined  
alerting process on the basis of the determination result.

15 2. The security device according to claim 1, wherein  
the abnormal degree determination unit concludes that an illegal  
break-in is conducted when the level of the impact sensing signal  
is not less than a first predetermined value and the level of  
the sound pressure sensing signal is not less than a second  
20 predetermined value.

3. The security device according to claim 2, wherein  
the alerting process unit performs an alerting process  
corresponding to the illegal break-in.

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4. The security device according to claim 1, wherein the abnormal degree determination unit concludes that the abnormal degree is not so severe as to lead to an illegal break-in when the level of the impact sensing signal is not less than  
5 a first predetermined value and the level of the sound pressure sensing signal is less than a second predetermined value.

5. The security device according to claim 4, wherein when the abnormal degree determination unit concludes that the  
10 abnormal degree is not so severe as to lead to the illegal break-in, the alerting process unit performs an alerting process with prealarm.

6. A security device comprising:  
15 an impact sensing unit for sensing an impact to output an impact sensing timing;  
a sound pressure sensing unit for sensing a sound pressure to output a sound pressure sensing timing;  
an impacted object determination unit for determining  
20 an impacted object on the basis of the impact sensing timing and the sound pressure sensing timing to output a determination result; and  
an alerting process unit for performing a predetermined alerting process on the basis of a determination result.

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7. The security device according to claim 6, wherein when the impacted object determination unit concludes that the impact sensing timing is earlier than the sound pressure sensing timing, the impacted object determination unit concludes that  
5 the impacted object is a glass.

8. The security device according to claim 7, wherein when the impacted object determination unit concludes that the impacted object is the glass, the alerting process unit performs  
10 an alerting process corresponding to a breakage of the glass.

9. The security device according to claim 6, wherein when the impacted object determination unit concludes that the sound pressure sensing timing is earlier than the impact sensing  
15 timing, the impacted object determination unit concludes that the impacted object is other than a glass.

10. The security device according to claim 9, wherein when the impacted object determination unit concludes that the impacted object is other than the glass, the alerting process  
20 unit performs an alerting process corresponding to a portion other than the glass.

11. A security device comprising:  
25 an impact sensing unit for sensing an impact to output

an impact sensing signal and an impact sensing timing;

a sound pressure sensing unit for sensing a sound pressure to output a sound pressure sensing signal and a sound pressure sensing timing;

5 an abnormal degree determination unit for determining an abnormal degree on the basis of a level of the impact sensing signal and a level of the sound pressure sensing signal to output a first determination result;

an impacted object determination unit for determining  
10 an impacted object on the basis of the impact sensing timing and the sound pressure sensing timing to output a second determination result; and

an alerting process unit for performing a predetermined alerting process on the basis of the first determination result  
15 and the second determination result.